

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Larry V. Streepy, et al.)
)
Serial No.: 09/829,461) Examiner: H. Pham
)
Filing Date: April 9, 2001) Art Unit: 2172
)
Confirmation No.: 8694
Title: Method and System for Interfacing)
with a Multi-Level Data Structure)

LETTER TO OFFICIAL DRAFTSPERSON REQUESTING APPROVAL OF
SUBSTITUTE REPLACEMENT FORMAL DRAWINGS

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

August 20, 2004
RECEIVED

AUG 30 2004

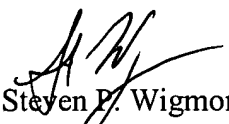
Technology Center 2100

Sir:

In response to the Office Action mailed on May 6, 2004, the Examiner is respectfully requested to approve the attached substitute, replacement formal drawings totaling twenty (20) sheets. The drawings do not contain new matter.

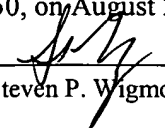
The originally filed, informal drawings should be replaced with these formal drawings. These formal drawings address the objections made against the originally filed, informal drawings by the PTO Official draftsman.

Respectfully submitted,


Steven P. Wigmore
Reg. No. 40,447

King & Spalding LLP
45th Floor, 191 Peachtree Street, N.E.
Atlanta, GA 30303
404.572.4600
K&S Docket: 10125.105001

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on August 20, 2004.


Steven P. Wigmore, Reg. No. 40,447

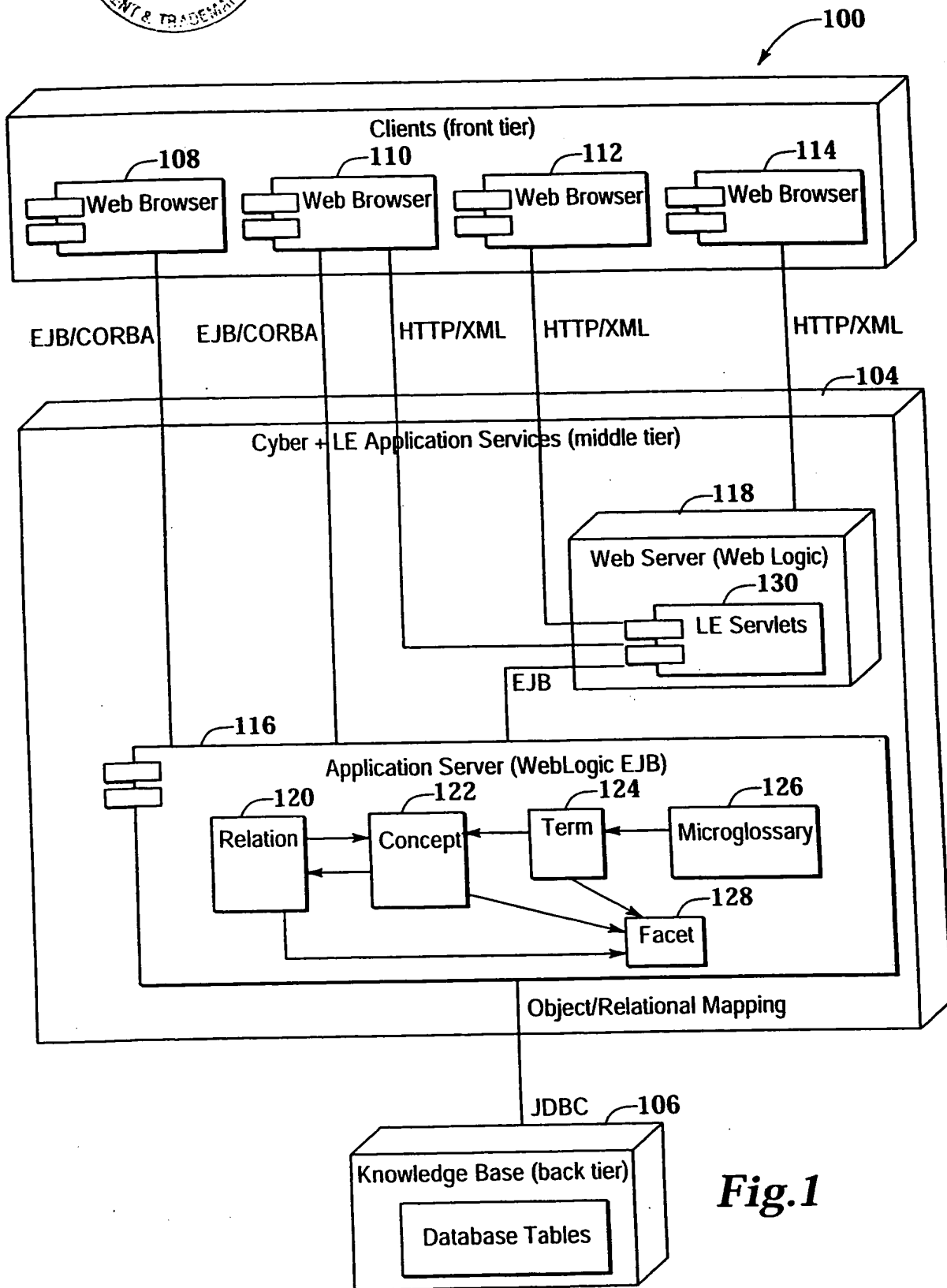


Fig.1

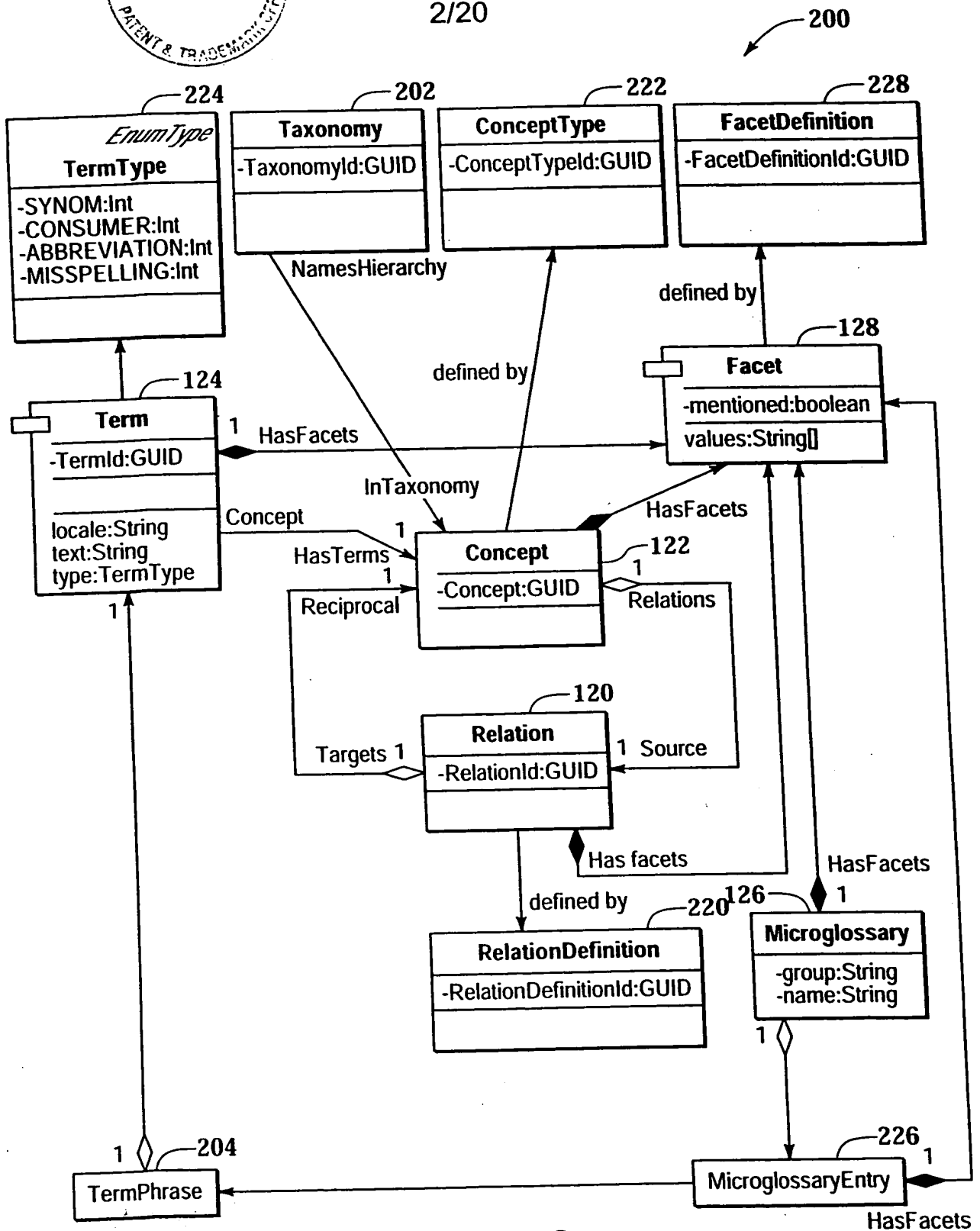


Fig.2



REPLACEMENT SHEET

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Fig.3A

300

310 Focus Concept

315 Lateral Relation

320 Navigation Line

305 Concept Display

325 Pushpin

330 Attribute Panel

335

340 Term Panel

345 Workbench

350

355

360

365

370 Status Bar

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File Edit Server Bookmarks Go Reports Help

Arthroctomy of wrist joint for synovectomy

T	Attribute	Value
	CPT CODE	25105
	SNOMED CODE	P1-17305
	Rose Health Center	RHC-0099
	HAS BODY SITE	Joint of wrist

Concept Details

Concept ID: 0600935A-OOE3-7FA3-9105-7255000B0B0D

Concept Type: Foundation

Taxonomies: Procedures

en_US

T	Text	Type
	Arthroctomy of wrist joint for synovecto...	Synonym
	ARTHROTOMY, WRIST, JOINT, W/ SY	Medium
	Arthroctomy of wrist joint for synovecto...	Long
	Arthroctomy wrist, w/ synovectomy	Synonym
	Carpel tunnel fix	Consumer Term
	Arthroctomy of wrist joint for synovecto...	Misspelling
	AWS	Abbreviation

Radiology Procedure/Procedures

Term Name

Diagnostic Doppler Ultrasonography

Ultrasound peripheral vascular flow study

Bicycle cardiovascular stress test with

Plain film of Spine-AP

Plain film of Spine-PA

Barium enema

Computerized tomography of abdomen

Term Facets

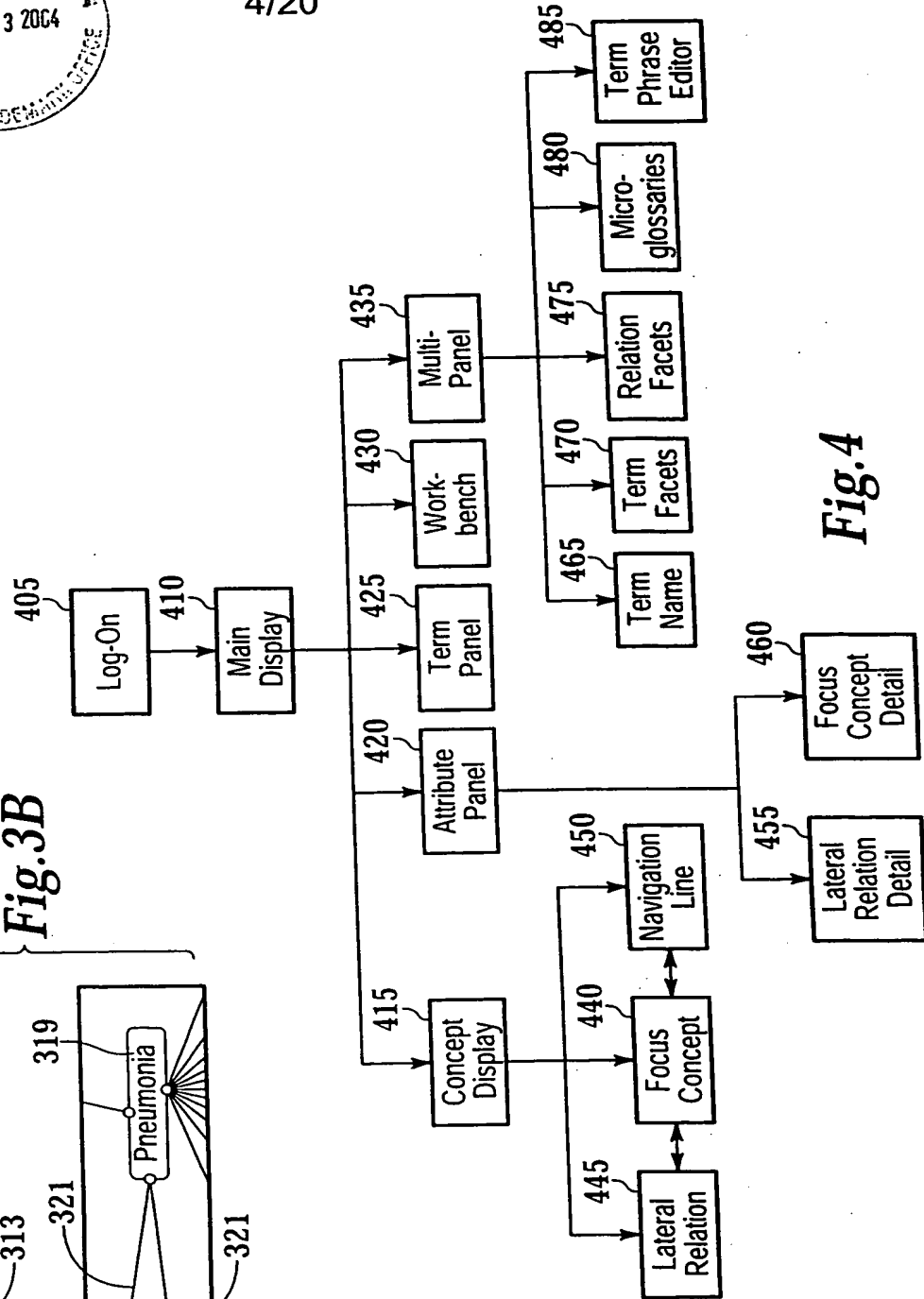
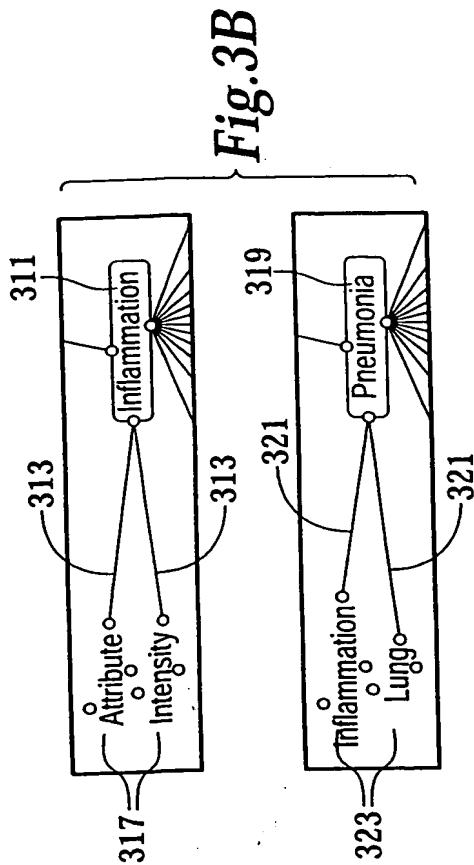
Relation Facets

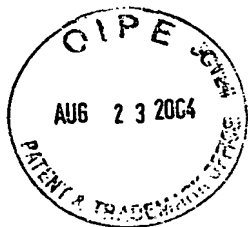
Microglossaries

Term Phrase Editor

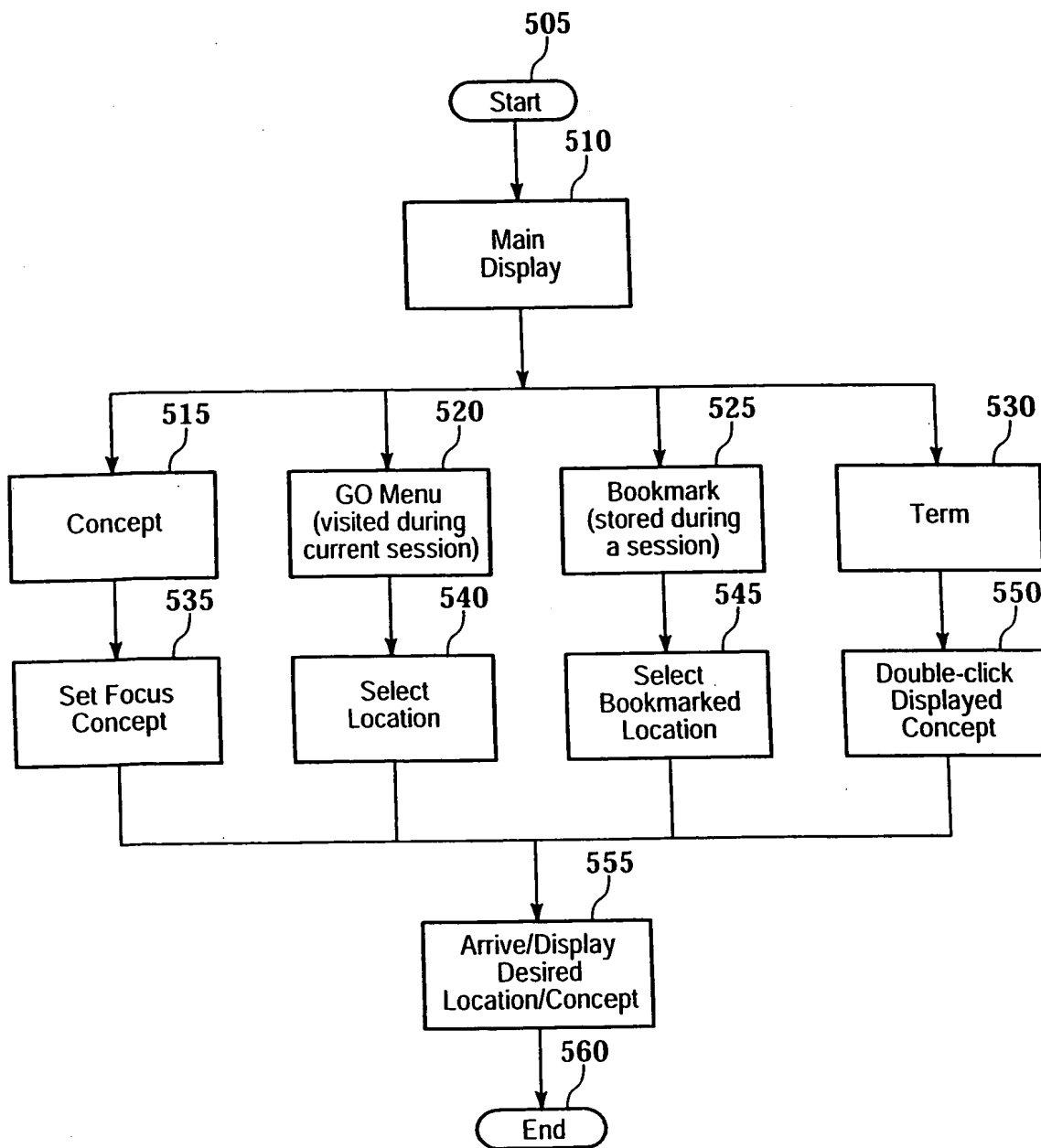
Activating concept, please wait

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**Fig.5**



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Search the LE Content

☐ Full Text Search -OR-

☐ By Term

☐ By Facet

☐ Restrict Taxonomy

☐ Restrict Concept Type

☐ Exact Match ☒ Contains ☐ Starts With ☐ Fuzzy

Heart Disease

Search

Search Results

Any Term	Display	Concept Type
Acute edema of lung...	Left heart failure	FOUNDATION
Acute heart disease	Acute heart disease	FOUNDATION
Acute ischaemic heart...	Acute ischaemic heart...	ICD-10
Acute ischaemic heart...	Acute ischaemic heart...	ICD-10-AM
Acute ischaemic heart...	Acute ischaemic heart...	FOUNDATION
Acute ischaemic heart...	Acute ischaemic heart...	FOUNDATION
Acute pulmonary ede...	Left heart failure	FOUNDATION
Acute pulmonary heart...	Acute pulmonary heart...	FOUNDATION
Acute pulmonary heart...	Acute pulmonary heart...	ICD-9-CM
Acute rheumatic heart...	Acute rheumatic heart...	FOUNDATION
Acute rheumatic heart...	Acute rheumatic heart...	ICD-10-AM
Acute rheumatic heart...	Acute rheumatic heart...	ICD-10

Showing first 25 of 182 results

Last 25

Next 25

Close

Fig.6B

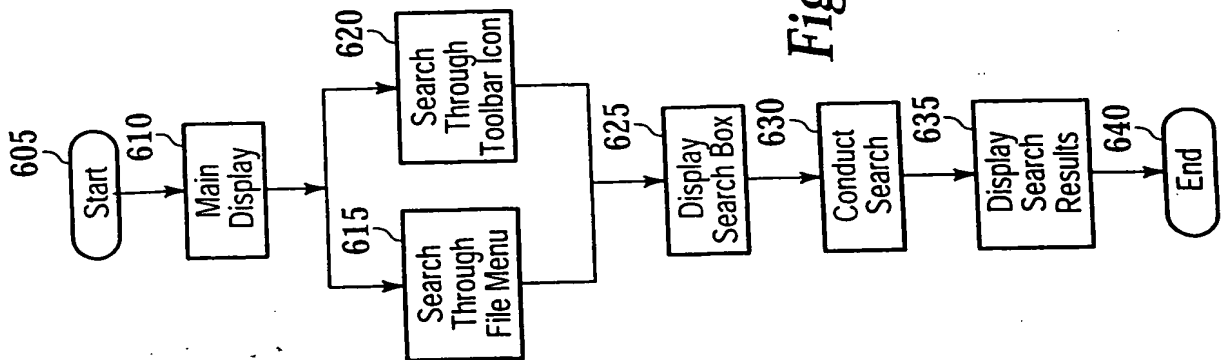


Fig.6A



REPLACEMENT SHEET

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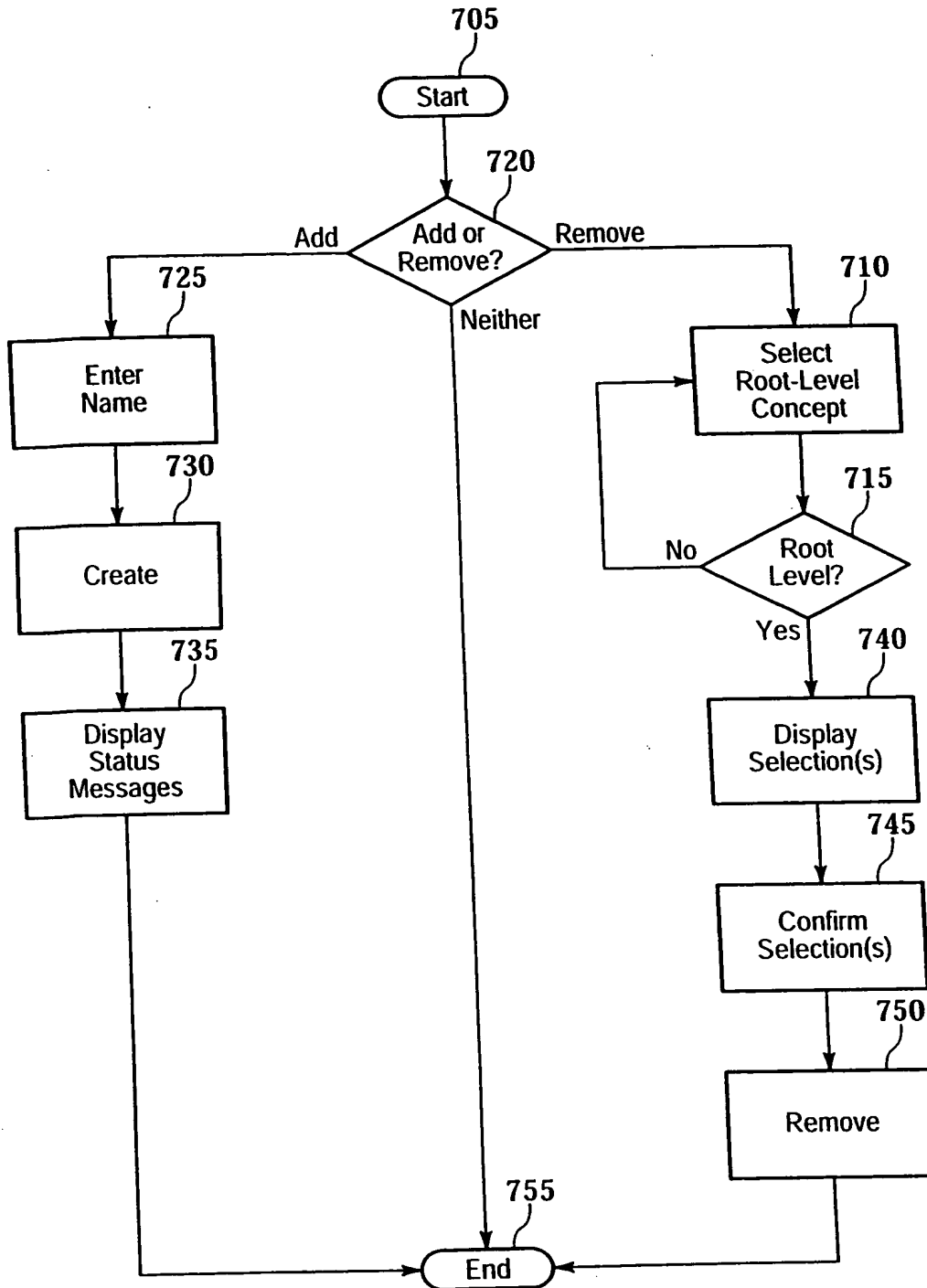


Fig. 7



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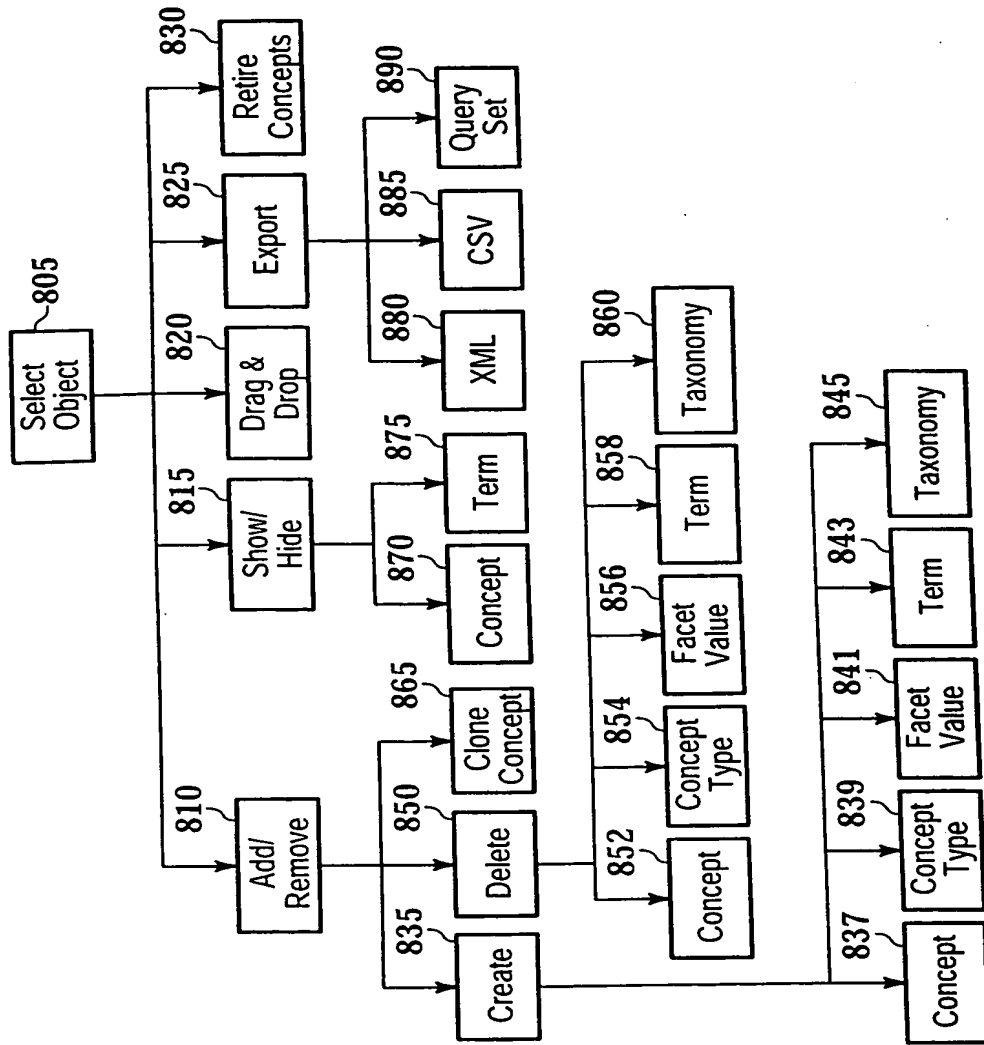
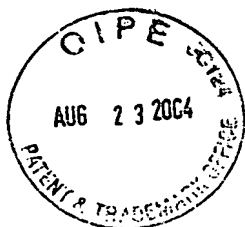


Fig.8A



REPLACEMENT SHEET

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872 874 876 878

Concept Type Displayability Settings

Check concept types that should be displayed for the respective components

Concept Type	Plex	Attribute Table	Search Dialog
CPT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First DataBank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FOUNDATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HCPC8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-10-AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-9-CM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MeSH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Fig.8B

Concept Type Displayability Settings

GUID

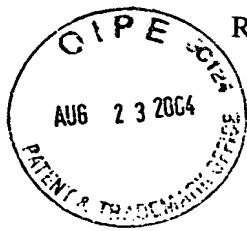
Concept Type Name

Concept Type Nickname

Description

836 838 840 842

Fig.8C



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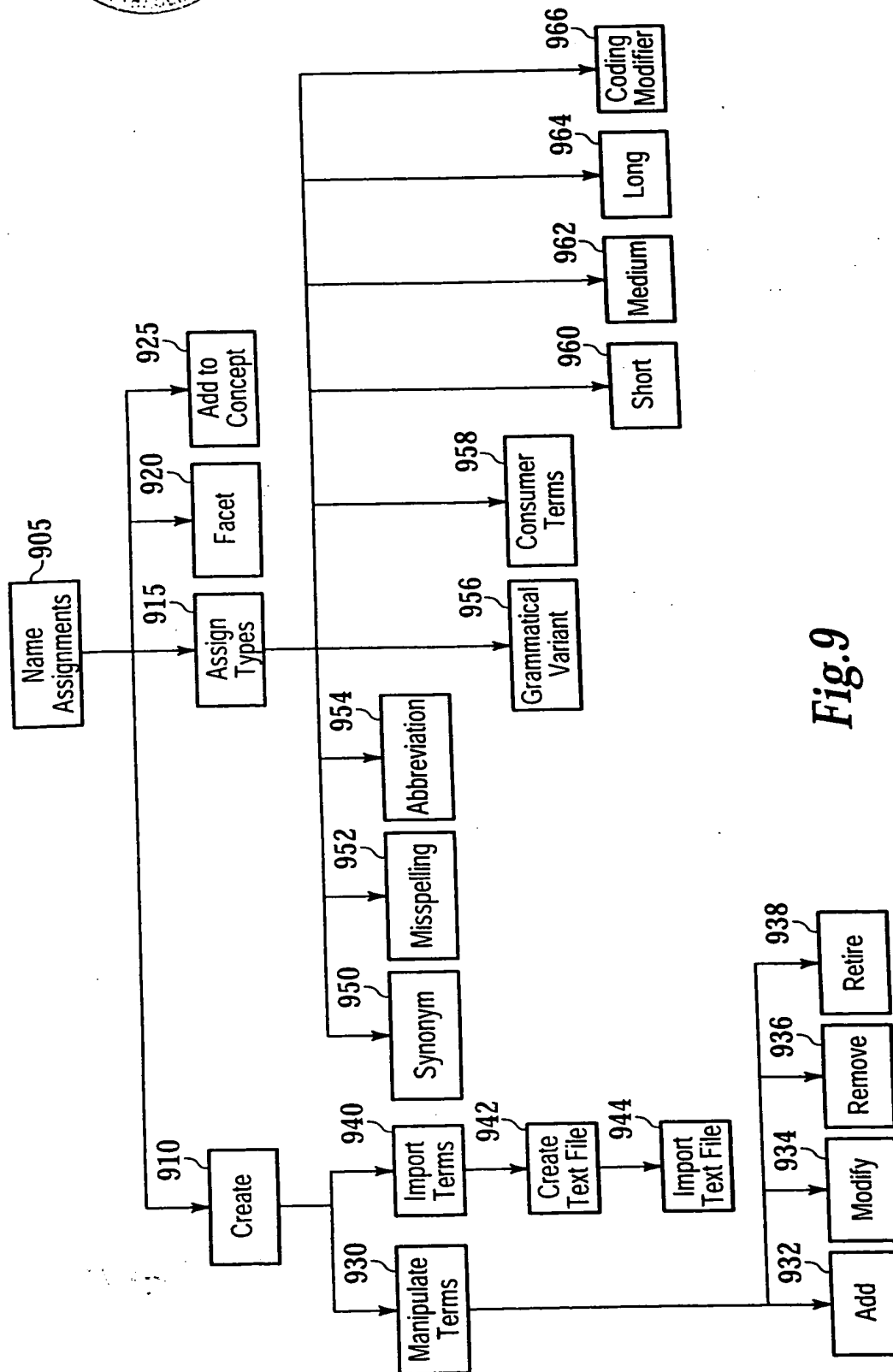
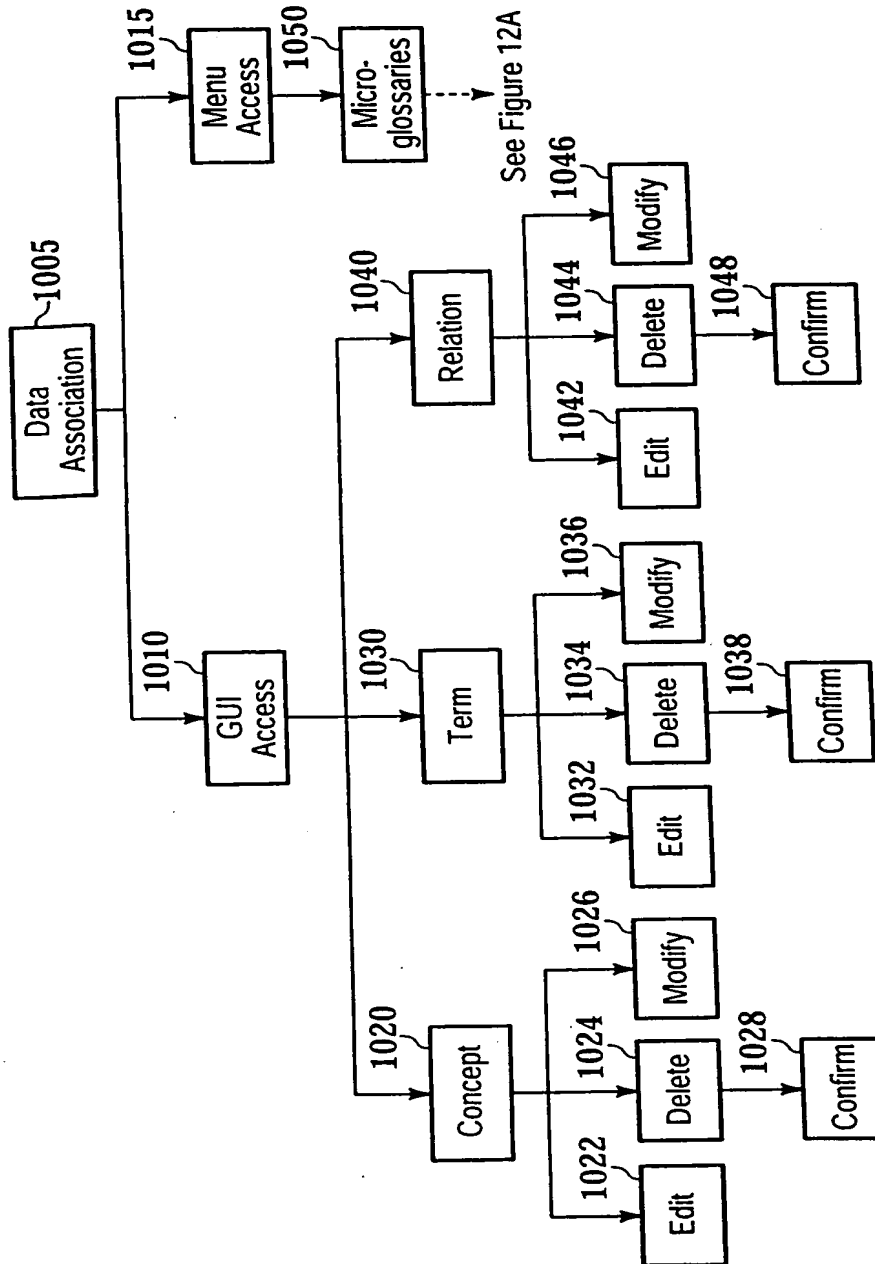
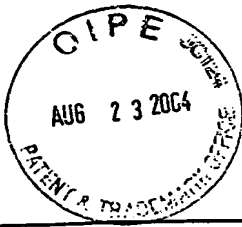


Fig.9



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*Fig. 10A*



REPLACEMENT SHEET

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1060 1068

Manage Facet Definitions

Facet Name	Applicability
Billing Code	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
CPT CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
HCPCS CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 AM BLOCK CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 AM CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 AM PROC CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 9 CM CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 9 PROC CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD-O Topography Code	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
IUBMB Code	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
MESH CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R

Edit 1062
New 1064
Delete 1066

1070 1072 1074 1076 1078

Fig.10B

Microglossary Export Options Manager

Please specify the details of the export format

1253a ☐ Export as XML
1253b ☐ Export as Query Set
1253c ☒ Export as CSV

1255 ☐ Exclude column headers

Facets to export

1257a Field Quote String
1257b Field Separator String
1257c Value Quote String
1257d Value Separator String

1259 ICD 9 CM CODE
ICD 9 PROC CODE
ICD-O Topography Code
IUBMB Code
MESH CODE
MG Facet
SNOMED CODE
SNOMED ID

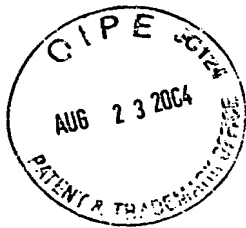
1261 ☐ Sorted ☒ By Term Text ☐ By Facet Value

Billing Code 1265

Back 1267 Next 1269 Cancel 1271

1263a 1263b

Fig.12E



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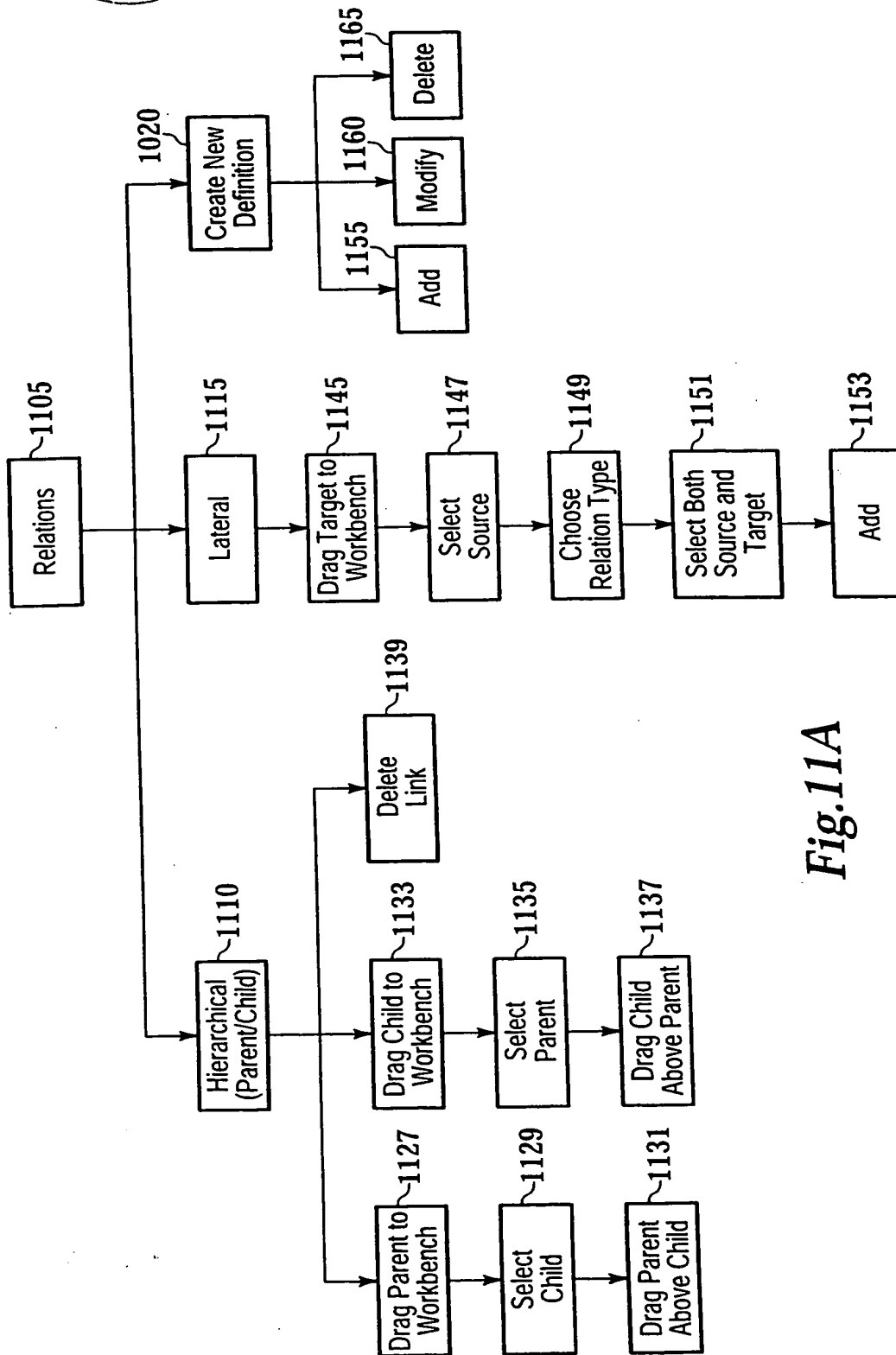


Fig. 11A

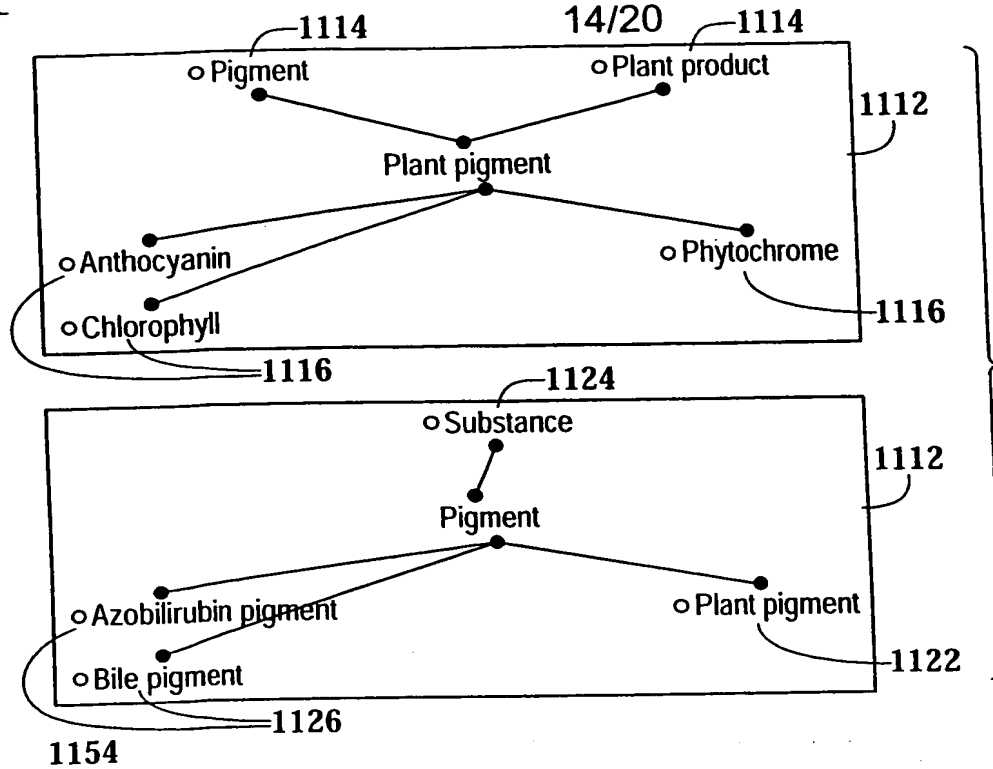
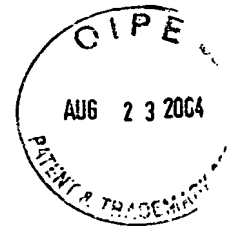


Fig. 11B

Fig. 11C is a 'Manage Relation Definitions' dialog box. It features a list of relation names on the left and three buttons (Edit, New, Delete) on the right. The list includes various foundation codes and actions.

Relation Name
Foundation < CD-10-AM
Foundation < CD-10-CM
Foundation = CPT
Foundation = HCPCS
Foundation = ICD-10
Foundation = ICD-10-AM
Foundation = ICD-9-CM
Foundation > CPT
Foundation > HCPCS
Foundation > ICD-10
Foundation > ICD-10-AM
Foundation > ICD-9-CM
Has action
Has active ingredient
Has measured component
Has method
Has object
Has property
Has Rose Code

Buttons: Edit (1156), New (1158), Delete (1162), Close (1164).

Fig. 11C



Edit Relation Definition [X]

GUID:

Relation Name:

Relation Nickname:

Description:

Attribute	Value
Is Reciprocal	<input type="checkbox"/>
Reciprocal Name	
Type Restriction	Equal
Source Type	ICD-9-CM
Target Type	ICD-9-CM
Hierarchical	<input type="checkbox"/>
Inheritance Relation	<input type="checkbox"/>
Cardinality	Single-Valued
Ordered	<input type="checkbox"/>
Transitive	<input type="checkbox"/>
Acyclic	<input type="checkbox"/>
Inheritable	<input type="checkbox"/>
Relationship qualifier	None
Displayable	<input checked="" type="checkbox"/>
Immutable	<input type="checkbox"/>

OK Cancel

1170 1172 1174 1176 1178 1180 1182 1184

Fig.11D

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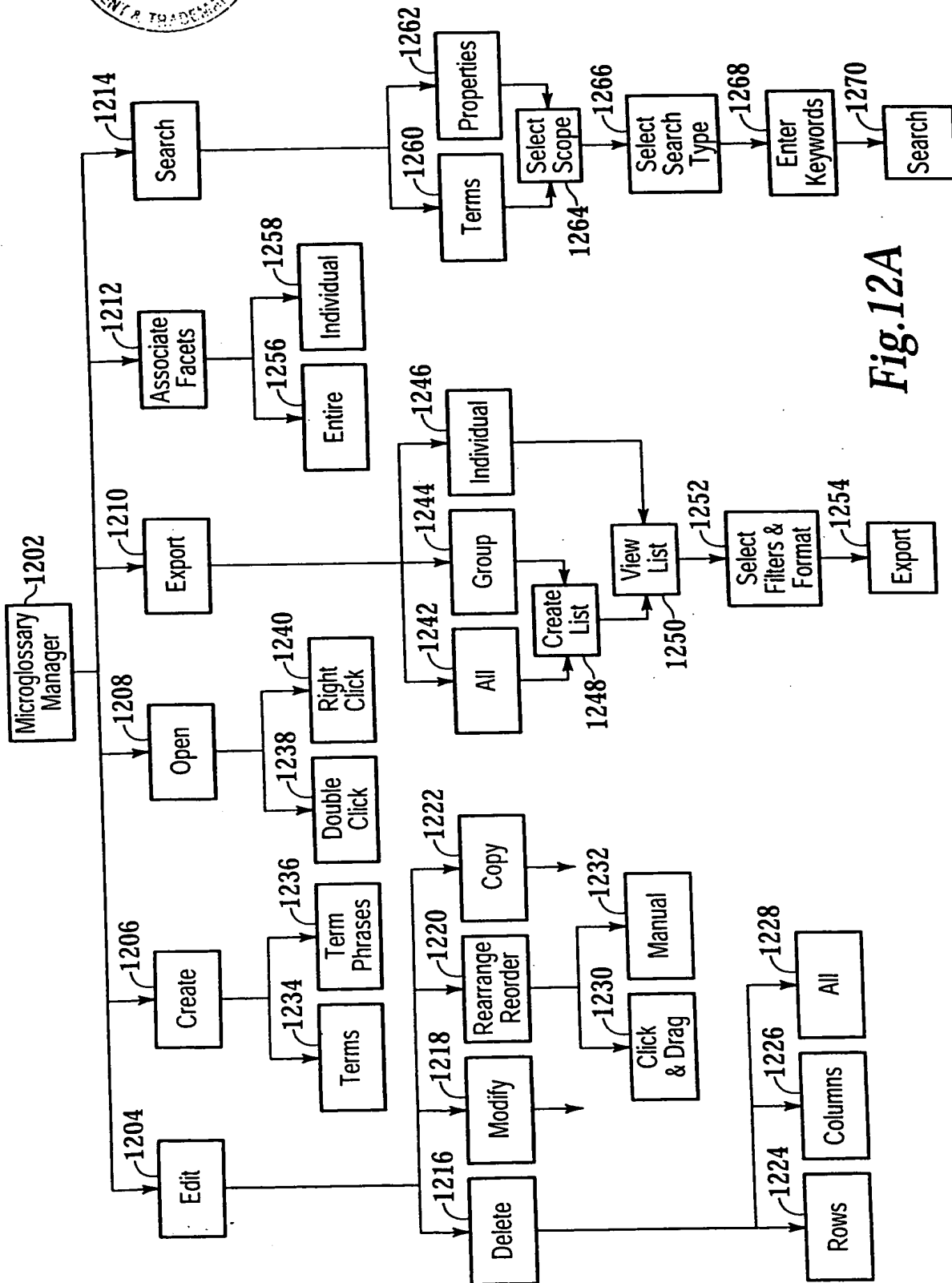
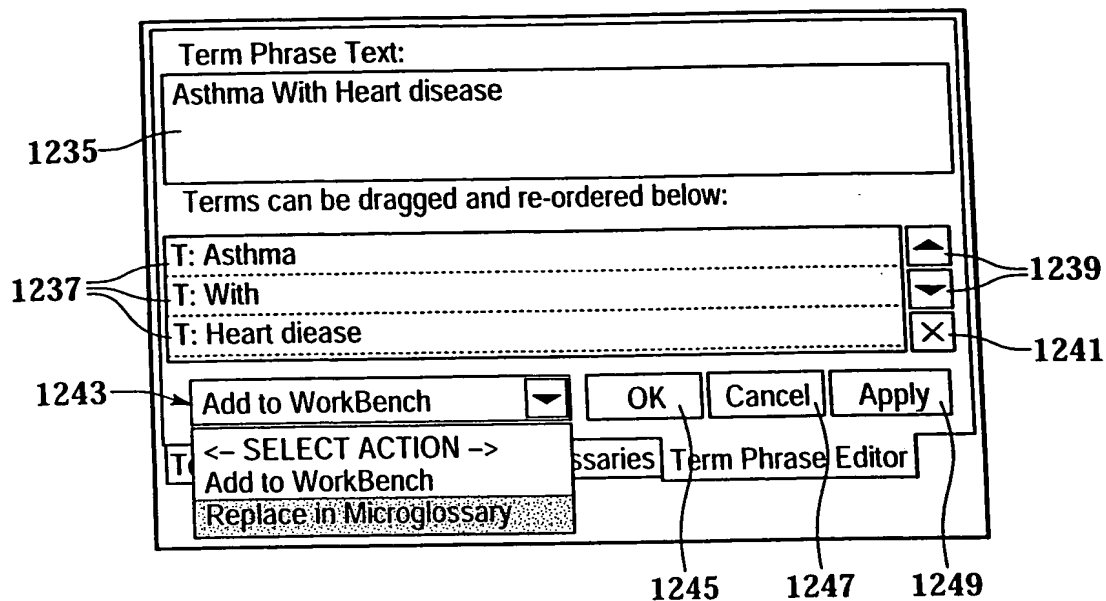
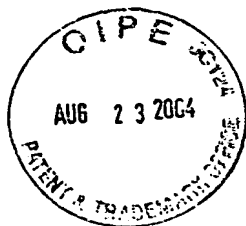
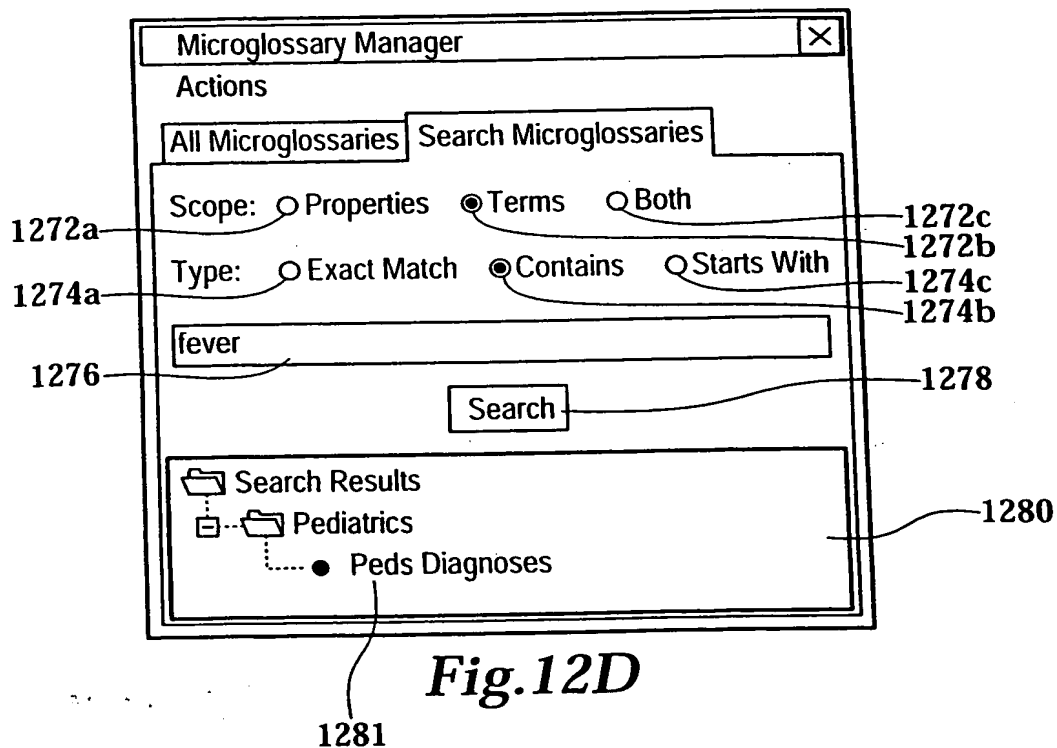


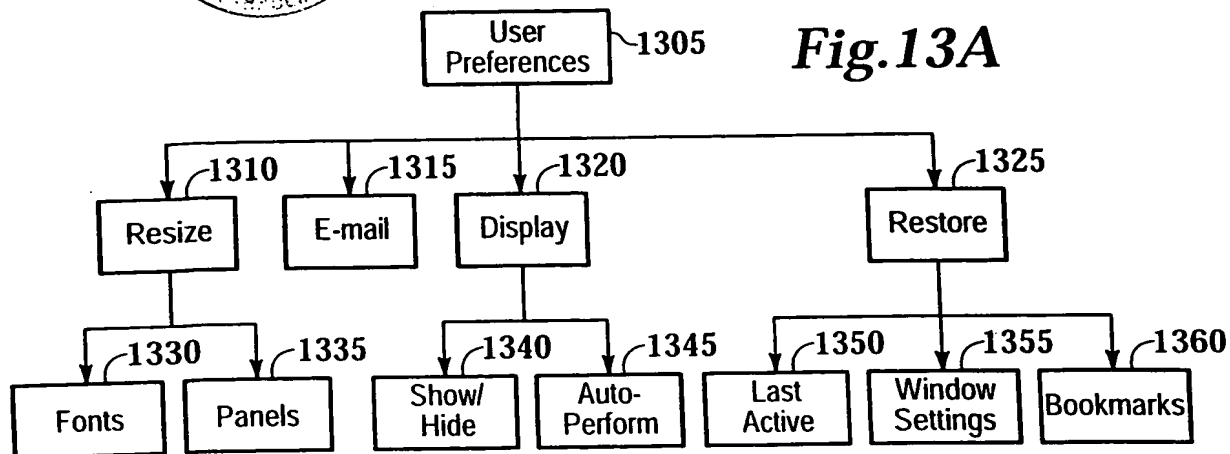
Fig. 12A



*Fig.12B**Fig.12D*

[illegible]

Fig. 12C



Edit User Preferences [X]

1326 Session Settings

1351 ☒ Restore last active concept

1356 ☒ Restore window position and dimensions

1361 ☒ Restore concept bookmarks

1311 ☒ Enable Plex resizing

1321 Navigation and Modeling Settings

1327 ☐ View Retired Concepts in navigation hierarchy

1346 ☐ Auto-replace subsumed/subsuming parents when adding a Parent

1348 ☒ Restore term candidates

1314 User Information

E-mail Address [1316]

SMTP Host [1318]

1337 Properties

1339 Facets Relations

Facet	Displayed
Abbreviation Code	<input checked="" type="checkbox"/>
AHFS Class ID	<input checked="" type="checkbox"/>
CPT CODE	<input checked="" type="checkbox"/>
Definition	<input checked="" type="checkbox"/>
Dispensable ID	<input checked="" type="checkbox"/>

1341

1343

1346

Fig.13B

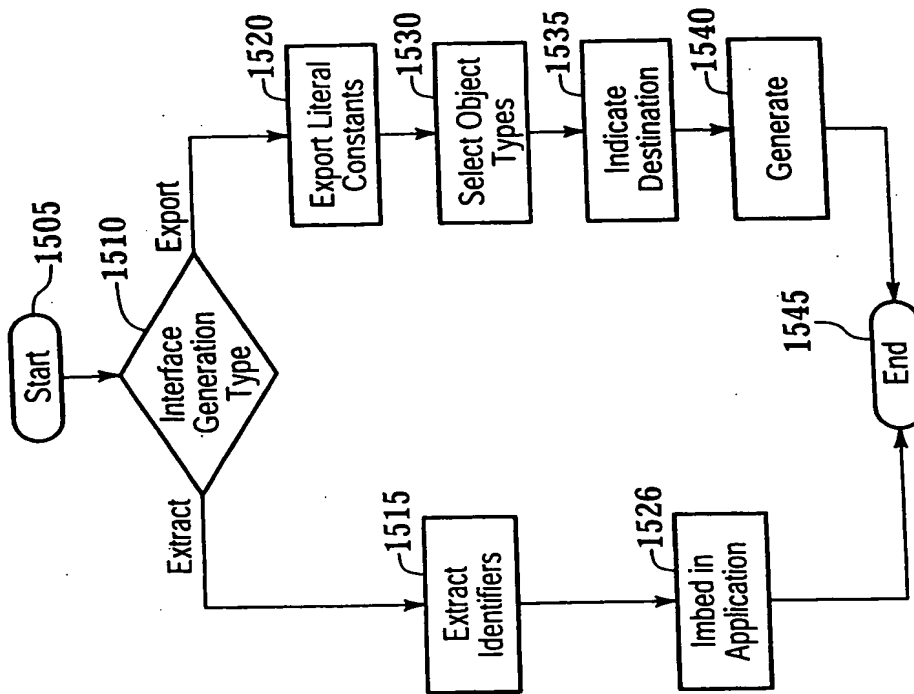
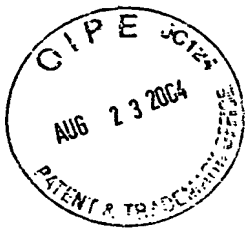


Fig.15

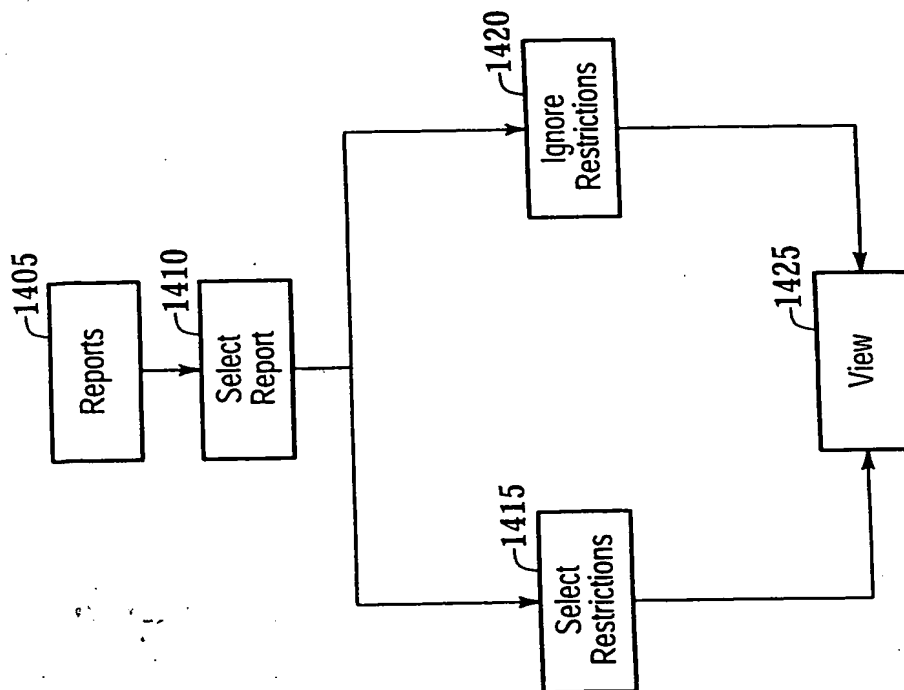


Fig.14